

6. The signal transmission device as claimed in claim 3, the reshaping device including a diode which is included in a line between a signal generator and an antenna.

5 7. The signal transmission device as claimed in claim 3, the receiver including a sensor which converts a magnetic flux density or a magnetic field strength to an electrical voltage or an electrical current.

8. The signal transmission device as claimed in claim 3, the reshaping device including a series circuit, comprising a diode and a differentiation element, in a line between
10 a signal generator and an antenna.